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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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09/823,300

03/29/2001

Eric Koenig

MULTI-TASK- CELL  
PHONE

6848

4988

7590

12/11/2002

ALFRED M. WALKER  
225 OLD COUNTRY ROAD  
MELVILLE, NY 11747-2712

EXAMINER

NGUYEN, FRANCIS N

ART UNIT

PAPER NUMBER

2674

DATE MAILED: 12/11/2002

Please find below and/or attached an Office communication concerning this application or proceeding.

## Office Action Summary

Application No.

09/823,300

Applicant(s)

KOENIG, ERIC

Examiner

FRANCIS NGUYEN

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

### Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

### Status

- 1) ☐ Responsive to communication(s) filed on \_\_\_\_.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

### Disposition of Claims

- 4) ☒ Claim(s) 1-9 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1, 4, 5, 8 and 9 is/are rejected.
- 7) ☐ Claim(s) 2, 3, 6 and 7 is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_ are subject to restriction and/or election requirement.

### Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- 11) ☐ The proposed drawing correction filed on \_\_\_\_ is: a) ☐ approved b) ☐ disapproved by the Examiner.  
If approved, corrected drawings are required in reply to this Office action.
- 12) ☐ The oath or declaration is objected to by the Examiner.

### Priority under 35 U.S.C. §§ 119 and 120

- 13) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).  
a) ☐ All b) ☐ Some \* c) ☐ None of:  
1. ☐ Certified copies of the priority documents have been received.  
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_.  
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).  
\* See the attached detailed Office action for a list of the certified copies not received.
- 14) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).  
a) ☐ The translation of the foreign language provisional application has been received.
- 15) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.

### Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892) 4) ☐ Interview Summary (PTO-413) Paper No(s). \_\_\_\_
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948) 5) ☐ Notice of Informal Patent Application (PTO-152)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449) Paper No(s) \_\_\_\_ 6) ☐ Other: \_\_\_\_

## DETAILED ACTION

### *Claim Objections*

1. Claims 1, 5, 6 are objected to because of the following informalities: missing word between words "unit" and "a"( page 9, claim 1, line 1), incorrect word "game"( page 10, claim 5, line 3), incorrect number "5" instead of "4" ( claim 6, line 1). Appropriate correction is required.

### *Claim Rejections - 35 USC § 102*

2. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

3. Claims 4-5, 8 are rejected under 35 U.S.C. 102(b) as being anticipated by Macor( US Patent 5,901,222).

As to claim 4, Macor discloses a handheld wireless telecommunications unit displaying images to a user (**ergonomic portable telecommunication device, see Abstract**), comprising:

a hand-held body ( portable telecommunication device with base member 300, column 2, lines 19-22) having a keypad ( embodiment with virtual keypad 34 shown in figure 5, column 4, lines 38-39); and

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a display comprising visual ( display 8 in figure 2) and auditorial ( speaker 12 in figure 2) displays; and

wherein said display comprises at least one central display screen ( function screen 130, figure 4) and at least one additional screen disposed from said central screen ( information screen 126 disposed from display 130 shown in figure 4, column 4, lines 64-65); and wherein said auditorial display comprises sound-producing means ( transducer inherent in speaker 12 for producing sound to phone operator).

As to claim 5, the wireless communications unit of claim 4 ( see same citation for claim 4) wherein said at least one additional screen is attached hingedly to said body of said hand-held wireless telecommunications unit ( hinge 124 shown in figure 4); and wherein said hingedly attached at least one additional screen folds between an outward deployed position ( **normal use is outward deployed position as shown in figure 4**) and an inward storage position ( **user uses finger catch 114 to close information display 126, column 4, lines 1-4, for inward storage position as shown in figure 3**).

As to claim 8, Macor teaches a multiple screen cellular telephone ( **portable telecommunication device with function display 8 and information display 16, see Abstract and figure 2**) comprising:

a cell phone handset housing ( **see cellular phone handset with base member 300 with inner surface 302, first end 304 and second end 306 shown in figure 1, see also other embodiments in figures 2 and 4**), equipped with a plurality of LCD panels function display 8(130) and information display 16(126), column 4, lines 64-65, shown in figures 2 and 4 )

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deployable in an ergonomic manner with one hand of a user ( **user uses a finger catch 114 shown in figure 3 and 4**, column 3, lines 58-60);

a first panel of said plurality of LCD panels being fixed relative to said housing ( display 130 is fixed in housing as shown in figure 4), and at least one other panel of plurality of said panels movable into an observable position with said first panel ( information display 126 is movable into observable position with function display 130 as shown in figure 4); and

said at least one other panel of said cell phone handset movably guided into said observable position with said first panel ( hinge 124 helps information display 126 movably guided either in close or open position as shown in figures 3 and 4).

4. Claim 9 is rejected under 35 U.S.C. 102(b) as being anticipated by Ditzik( US Patent 5,983,073 ).

As to claim 9, Ditzik discloses a hand-held computer accessory and cellular telephone ( modular multiple function display- computer system for personal computing and wireless communications, see abstract, column 2, lines 28-36) comprising:

a hand-held body having an input interface for a user ( **base unit of a portable notebook computer** , column 3, lines 52-54, column 4, lines 12-15, **keyboard assembly 16 shown in figure 2** );

a telecommunications ( **integrated built-in transmitter receiver and retractable antenna 32**, column 4, lines 52-57, **wireless communication operation**, column 9, lines 61-62) and computer multimedia display comprising visual ( **display screen 4 shown in figure 2** ), and auditory displays ( **multimedia functions**, column 6, lines 50-51, video data processed by digital signal processing, column 12, lines 47-49) wherein

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said telecommunications and computer multimedia display having at least one central display screen ( **display screen 4**, column 10, lines 63-64, figure 2) and at least one additional screen respectively disposed from said central screen ( display on unit 14 connected to flat panel display 2 shown in figure 2).

***Claim Rejections - 35 USC § 103***

5. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

6. Claim 1 is rejected under 35 U.S.C. 103(a) as being unpatentable over Macor ( US Patent 5,901,222) in view of Jahagirdar et al. ( US 6,304,763).

As to claim 1, Macor discloses a wireless telecommunications unit ( **ergonomic portable telecommunication device, see Abstract**) with a foldable electronic display displaying images to a user ( **hinged device, column 2, line 65, see also figure 2** ) , comprising:

a centrally disposed display (**function display 8 on inner surface 10 of first base, column 2, line 65 through column 3, line 3, see also figure 2** );

at least one connected electronic sub-display unit ( **information display 16 mounted on inner surface 18, column 2, line 65 through column 3, line 3, see also figure 2** );

a user-deployed support supporting said at least one sub-display unit maintaining said at least

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one sub-display in an upwardly projecting disposition during use ( **hinge 6 with which user can deploy a flip action during close or open position of hinged device as shown in figure 2, column 3, lines 3-4**);

said wireless telecommunications unit further having a bottom base surface ( **area where trackball 22 is located as shown in figure 2**) and at least one upper display surface angled obliquely to a user's line of sight during use ( **since user has to use earphone upper surface where function display 8 is located on a surface, said surface has to be at oblique angle with user's line of sight, as shown in figure 2**) .

However, Macor fails to expressly teach said at least one sub-display unit having user-variable electronic display controller for displaying images . Jahagirdar et al. discloses a communication device with user-variable electronic display controller that turn on/off first and second display of said communication device ( see steps 800 through 827 shown in figure 8A , see controller processing user input via keypad 507 and controls drivers 514/518 for displays 516/522 respectively shown in figure 5). It would have been obvious to a person of ordinary skill in the art at the time of the invention to utilize the apparatus of Macor then modify the display control software to control two displays as taught by Jahagirdar et al., to obtain the apparatus Macor modified by Jahagirdar et al., because it will decrease unnecessary display being turned on, thus decrease energy waste for display especially for portable communication device .

*Allowable Subject Matter*

7. Claims 2-3, 6-7 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

The following is a statement of reasons for the indication of allowable subject matter:

As to claims 2-3, none of prior art teaches a wireless telecommunications unit with a foldable electronic display displaying images to a user, comprising a hollow housing, said hollow housing having a user attachable and detachable connector connecting said housing to said at least one sub-display unit.

As to claims 6-7, none of prior art teaches a handheld wireless telecommunications unit displaying images to a user, comprising at least one central display screen and at least one additional screen disposed from said central screen, wherein said at least one additional screen is attached slidably within said body of said unit.

CONCLUSION

8. The prior art made of record but not relied upon is pertinent to Applicant's disclosure

US Patent	Lebby et al.	6,158,884
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US Patent	Lebby et al.	6,069,593
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US Patent	Kamamoto et al.	5,982,429
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Reference Lebby et al. is made of record as it discloses an integrated communicative watch with a multiple fold out display.



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Second reference Lebby et al. is made of record as it discloses an electronic display controller for multiple displays in a portable electronic device.

Refrence Kamamoto et al. is made of record as it discloses a handheld electronic device with multiple LCD displays.

9. Any inquiry concerning this communication or earlier communications from the examiner should be directed to **FRANCIS N NGUYEN** whose telephone number is **703 308-8858**. The examiner can normally be reached during hours 8:00 AM- 4:30 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, **RICHARD A HJERPE** can be reached at 703 305-4579.

**Any response to this action should be mailed to:**

Commissioner of Patents and Trademarks

Washington, D.C. 20231

**or faxed to:**

**(703) 872-9314 ( for Technology Center 2600 only)**

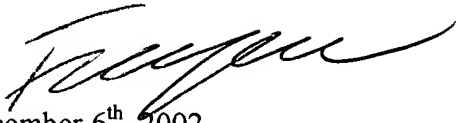
Hand-delivered responses should be brought to Crystal Park II, 2121 Crystal Drive, Arlington, VA, Sixth Floor ( Receptionist).

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the Technology Center 2600 Customer Service whose telephone number is (703) 306-0377.

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A handwritten signature in black ink, appearing to read 'Francis N. Nguyen', written in a cursive style.

December 6<sup>th</sup>, 2002

FRANCIS N NGUYEN

Examiner

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